

Floods Caused by Tropical Systems: Raritan River at Manville

Latitude: 40.555

Period of Record: 1903-Present

Longitude: -74.584

Flood Stage: 14 ft

Last Flood: 5/1/2014

Number of Floods: 125

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/16/1999	27.10	77,600	Hurricane Floyd produced heavy rainfall from Virginia to Long Island. Rainfall totals ranged from 12 inches in Delaware to 16.57 inches in Newport News, Virginia. Two dams burst in New Jersey and several flood records were broken in New Jersey.
8/28/2011	26.24	53,000	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
8/28/1971	23.80	36,300	Tropical Storm Doria dumped 3 to 7 inches of rain across the region. Localized rainfall amounts of 8 to 10 inches were reported in the Tidewater area, Eastern NJ and Eastern PA.
8/19/1955	21.82	34,600	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
9/22/1938	20.42	36,100	The Long Island Express Hurricane produced more than 5 inches of rain in New Jersey, New York and other parts of the Northeast. Major flooding occurred across New York, New Jersey and Pennsylvania.
8/13/1955	19.90	26,600	Hurricane Connie produced 4 to 8 inches of rainfall across the Mid-Atlantic region, with locally heavier amounts exceeding 10 inches.
9/8/2011	19.18	26,500	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.
6/23/1972	17.89	21,800	Hurricane Agnes made landfall again over southeastern New York on June 22 and moved westward into Pennsylvania. Rainfall totals from June 20-25 range from 2-3 inches in the Upper Potomac to 18 inches near Shamokin, Pennsylvania.

Drainage Area: 490 sq mi

Tropical information before 1940 is limited.

County of Gage: Somerset

Gage Datum: 20.61 ft MSL

Raritan Basin

County of Forecast Point: Somerset

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Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/24/1933	16.22	21,000	A strong Category 1 storm, the Chesapeake-Potomac Hurricane brought more than 10 inches of rain to Maryland, Delaware and Southern New Jersey. Other locations throughout the Mid-Atlantic measured more than 4 inches of rain.
9/29/2004	15.96	17,900	Hurricane Jeanne stalled a cold front and supplied the front with much-needed moisture. As a result, 1-day rainfall totals ranged from 1 - 6 inches throughout the Mid-Atlantic region.
9/7/2011	15.61	17,200	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.
10/9/2005	15.44	16,900	Tropical Storm Tammy was absorbed into a cold front and produced 2-day rainfall totals of 4 to 7 inches. Flooding was reported in the Raritan, Passaic, Delaware and Lower Main Stem Susquehanna Basins.
9/13/1960	15.30	14,700	Hurricane Donna made its second landfall near Wilmington, NC as a Category 3 hurricane. It produced 6 to 8 inches of rain in Eastern Virginia and caused 3 fatalities.
6/8/2013	15.24	15,200	A nearly stationary front interacted with the remnants of Tropical Storm Andrea and resulted heavy rainfall along the I-95 corridor.

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